

Section 1.3, third sentence

Replace "Approximately \$0.75M is reserved for each fixed-price contract for the Phase A and Phase A Bridge study resulting from selection(s) through the AO."

with "Approximately \$0.75M is reserved for each cost reimbursement contract for the Phase A study resulting from selection(s) through the AO."

Section 1.5

Replace entire section with

"All proposals submitted in response to this AO will be subjected to a preliminary screening to determine compliance with the constraints, requirements, and guidelines of this AO, including the demonstrated commitment of the proposer to meeting NASA's stated goals for education and public outreach, technology infusion/transfer, and participation of small disadvantaged businesses, women owned small businesses, Historically Black Colleges and Universities, and other Minority Educational Institutions. Proposals not in compliance may be returned to the proposer without further review. Proposal(s) in compliance with this AO after this preliminary screening, will be evaluated on its(their) scientific and technical merit as determined by science peer review as well as its(their) feasibility of implementation as determined by the Technical, Management, and Cost (TMC) panel. Pending the submission of proposals of adequate merit, one (or more) proposal(s) submitted in response to this AO will be selected for a funded Phase A study(ies) as based principally on this evaluation. See Section 7.1 below in this AO for further details."

Section 5.1.1, First paragraph, Fourth sentence

Replace:

"In addition to the suite of instruments for each S/C, it is required that one fully qualified flight spare of each instrument be provided.

with:

"In designing this strawman payload it was assumed that one fully qualified flight spare of each instrument would be required."

Section 5.1.1, First paragraph, Last sentence

Replace:

"The maximum possible values of spacecraft resources for the MMS payload are based on NASA's accommodation studies and given in Table 5.1 as guidelines."

with

"Values of spacecraft resources (not including contingency) for the MMS payload based on NASA's accommodation studies are given in Table 5.1 as guidelines."

Section 5.3, paragraph 4

Delete in its entirety

S/C, launch vehicles and launch services, and space operations may also be contributed by international partners and should be included in all calculations and discussions of the total cost of the investigation, which is defined as the sum of the cost to NASA and the cost of the contributions (see section 7.3 and Appendix B, Section G).

Section 5.4.1

Replace: "... after the initial check out and calibration period (approximately **two** months after launch), the MMS database and requisite basic analysis software will be made available.."

with: "... after the initial check out and calibration period (approximately **three** months after launch), the MMS database and requisite basic analysis software will be made available.."

Section 7.3.1 Award Administration and Funding

Replace in its entirety with

"Each contract resulting from this selection for Phase A studies will contain a priced option for a Bridge Phase, as well as an advance agreement to add Phases B/C/D/ and E for follow-on mission phases (B/C/D/E). The advance agreement to add Phases B/C/D/ and E recognizes the authority established in the AO to contract for Phases B/C/D/ and E. If the investigation is approved to continue, terms and conditions for these phases will be negotiated based on the concept study report submitted for Phase A. A supplemental

agreement shall be executed and shall represent an equitable adjustment to the estimated cost, deliverable items, and delivery schedules, and other affected terms of the contract for inclusion of Phases B through E. Proposals are to include a priced bridge phase option to be exercised upon investigations selected to proceed into phase B/C/D/E. The bridge phase is intended to cover a three month period of Phase B effort to provide program continuity while the Phase B/C/D and E negotiations are completed and these phases are added to the contract."

Section 8.0 SCHEDULE

Replace "Selection of Investigations for Phase A Study (goal)	July, 2003"
with "Selection of Investigations for Phase A Study (goal)	June, 2003"

and

Replace "Proposal submittal due by 4:30 PM EDT	March 19, 2003"
with "Proposal submittal due by 4:30 PM EST	March 19, 2003"

Appendix A Section VI

Replace "Submission of cost or pricing data, as defined in FAR 15.401, is required if the combined: Phase A and Bridge Phase costs exceed **\$750,000.**"

with "Because the Phase A costs exceed \$550,000, submission of cost or pricing data, as defined in FAR 15.401, is required."

Appendix B, Section F, First paragraph, Last sentence, Final phrase

Replace: "...Total Investigation Cost (Total NASA Cost plus **foreign** contributions)."

with: "...Total Investigation Cost (Total NASA Cost plus **all** contributions)."

Table B-1. Proposal Page Guideline

Replace

"Science Investigation Description	37(pages)" and	
"Mission Operations Support, Science Operations, and Data Analysis Plan Concept	6	
(pages)"		
with		
"Science Investigation Description	39 (pages)" and	
"Data Collection, Analysis, and Archiving	4 (pages)"	

Table B.2

Add a row for "Phase E" after "Phase B/C/D" row

Add a row for "Bridge Phase" after the "Total NASA Cost" row with a footnote saying "Also include within Phase B and within Total NASA Cost "

Delete second column labeled "FY 06"

APPENDIX B Section G. COST ESTIMATING METHODOLOGY AND COSTS

Second paragraph, Second, third, and fourth sentences

Replace

"Contracts for a fixed price Phase A concept study and a Bridge Phase A effort with an option to continue into Phases B/C/D/E will be issued. During the bridge phase, the contract modification for Phase B through E will be negotiated. Proposers must estimate the Total NASA Cost (see Table B-2 below in this Appendix) in the proposal and, if selected through this AO, in much more detail in the Phase A implementation plans."

with

"Contracts for a cost reimbursement Phase A concept study and an option for the Bridge effort with an advance agreement to add Phases B/C/D/ and E will be issued. During the bridge phase, the contract modification for Phase B through E will be negotiated. Proposers must estimate the Total NASA Cost (see Table B-2 below in this Appendix) in the proposal and, if selected through this AO, in much more detail in the Phase A implementation plans."

Appendix C

Add ``Orbit Design Requirements for MMS," NASA document number 460-RQMT-0042, C. Petruzzo, March 26, 2001

and

"Magnetospheric Multiscale Mission Radiation Requirements"